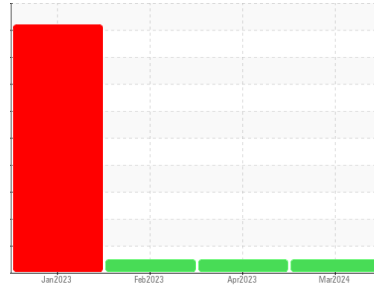




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
ORIN CONTRACTORS

Machine Id
166

Component
Left Final Drive

Fluid
PETRO CANADA TRAXON 80W90 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

| | method | limit/base | current | history1 | history2 |
|---------------|-------------|-------------|--------------------|-------------|-------------|
| Sample Number | Client Info | | WC0899543 | LH0232520 | LH0206523 |
| Sample Date | Client Info | | 01 Mar 2024 | 01 Apr 2023 | 15 Feb 2023 |
| Machine Age | hrs | Client Info | 0 | 500 | 0 |
| Oil Age | hrs | Client Info | 0 | 0 | 0 |
| Oil Changed | Client Info | | Not Changed | Not Changed | N/A |
| Sample Status | | | NORMAL | NORMAL | NORMAL |

CONTAMINATION

| | method | limit/base | current | history1 | history2 |
|-------|-----------|------------|------------|----------|----------|
| Water | WC Method | >0.2 | NEG | NEG | NEG |

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|-----------|--------|--------------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185(m) >500 | 377 | 294 | 270 |
| Chromium | ppm | ASTM D5185(m) >10 | 5 | 3 | 2 |
| Nickel | ppm | ASTM D5185(m) >10 | <1 | 0 | 0 |
| Titanium | ppm | ASTM D5185(m) | 2 | <1 | <1 |
| Silver | ppm | ASTM D5185(m) | <1 | 0 | 0 |
| Aluminum | ppm | ASTM D5185(m) >25 | 42 | 14 | 12 |
| Lead | ppm | ASTM D5185(m) >25 | <1 | <1 | 0 |
| Copper | ppm | ASTM D5185(m) >50 | <1 | <1 | <1 |
| Tin | ppm | ASTM D5185(m) >10 | 0 | 0 | 0 |
| Antimony | ppm | ASTM D5185(m) >5 | 0 | <1 | 0 |
| Vanadium | ppm | ASTM D5185(m) | 0 | <1 | 0 |
| Beryllium | ppm | ASTM D5185(m) | 0 | 0 | 0 |
| Cadmium | ppm | ASTM D5185(m) | 0 | 0 | 0 |

ADDITIVES

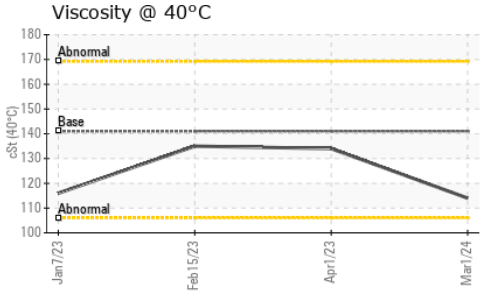
| | method | limit/base | current | history1 | history2 |
|------------|--------|---------------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185(m) 243 | 187 | 237 | 237 |
| Barium | ppm | ASTM D5185(m) 1 | <1 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185(m) | 0 | <1 | <1 |
| Manganese | ppm | ASTM D5185(m) | 3 | 2 | 2 |
| Magnesium | ppm | ASTM D5185(m) 2 | 20 | 9 | 7 |
| Calcium | ppm | ASTM D5185(m) 6 | 111 | 71 | 69 |
| Phosphorus | ppm | ASTM D5185(m) 987 | 924 | 1074 | 1066 |
| Zinc | ppm | ASTM D5185(m) 1 | 98 | 22 | 21 |
| Sulfur | ppm | ASTM D5185(m) 21530 | 15229 | 17566 | 17128 |
| Lithium | ppm | ASTM D5185(m) | <1 | <1 | <1 |

CONTAMINANTS

| | method | limit/base | current | history1 | history2 |
|-----------|--------|-------------------|------------|----------|----------|
| Silicon | ppm | ASTM D5185(m) >75 | 160 | 67 | 62 |
| Sodium | ppm | ASTM D5185(m) | 10 | 4 | 2 |
| Potassium | ppm | ASTM D5185(m) >20 | 15 | 5 | 4 |



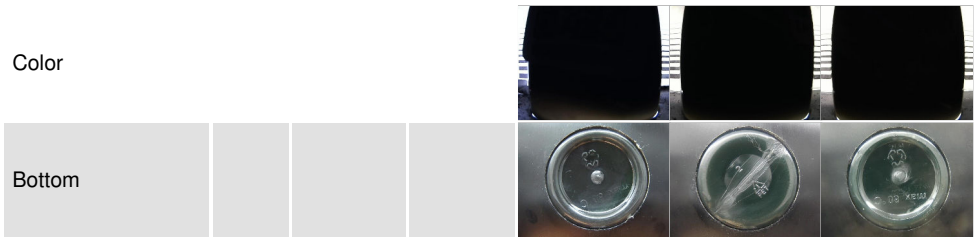
OIL ANALYSIS REPORT



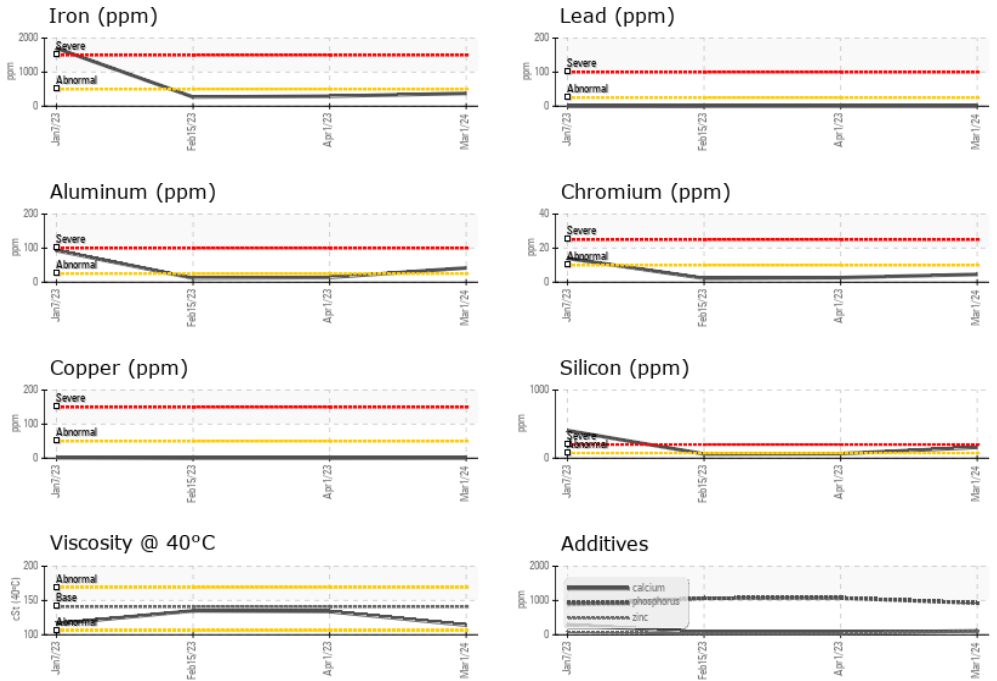
| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | Visual* | NONE | NONE | NONE |
| Yellow Metal | scalar | Visual* | NONE | NONE | NONE |
| Precipitate | scalar | Visual* | NONE | NONE | NONE |
| Silt | scalar | Visual* | NONE | NONE | NONE |
| Debris | scalar | Visual* | NONE | NONE | NONE |
| Sand/Dirt | scalar | Visual* | NONE | NONE | NONE |
| Appearance | scalar | Visual* | NORML | NORML | NORML |
| Odor | scalar | Visual* | NORML | NORML | NORML |
| Emulsified Water | scalar | Visual* | >0.2 | NEG | NEG |
| Free Water | scalar | Visual* | | NEG | NEG |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|---------------|---------|----------|----------|
| Visc @ 40°C | cSt | ASTM D7279(m) | 141.0 | 114 | 134 |

| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|---------|----------|----------|
|---------------|--------|------------|---------|----------|----------|



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0899543
Lab Number : 02621153
Unique Number : 5746272
Test Package : MOBCE (Additional Tests: Visual)

RONI/IRON SHORE EXCAVATING LTD.
 100 MACINTOSH BLVD
 VAUGHAN, ON
 CA L4K 4P3
 Contact: Service Team
 service.team@roni.ca

Received : 11 Mar 2024
Tested : 11 Mar 2024
Diagnosed : 11 Mar 2024 - Kevin Marson

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.